

NOTE:
DISTRIBUTION SHALL BE AS
INDICATED AND SHALL BE IN
ACCORDANCE WITH I.E.S.
DEFINITIONS.

LUMINAIRE REQUIREMENTS

1. HOUSING, DIE CAST ALUMINUM OR EXTRUDED OR FORMED ALUMINUM, WITH SEALED AND WELDED SEAMS.
2. REFLECTOR – FORMED ANODIZED ALUMINUM.
3. LENS – TEMPERED, IMPACT RESISTANT CLEAR GLASS.
4. LENS DOOR – HINGED ALUMINUM WITH GASKET, CAPTIVE SCREW OR LATCHES.
5. INTEGRAL MULTI-TAP BALLAST.
6. CONCEALED MOUNTING HARDWARE (ALL HARDWARE CORROSION RESISTANT).
7. PORCELAIN SOCKET WITH VIBRATION-PROOF LAMP GRIP SHELL.
8. FINISH – DARK BRONZE, BAKED ENAMEL, OR POLYESTER POWDER FINISH, EXCEPT AS INDICATED.
9. SLIPFITTER 2-3/8" TO 3" O.D. OR MOUNTING ARM.
10. LAMP – 70 TO 1000 WATT, HIGH PRESSURE SODIUM, WATTAGE AS INDICATED.
11. LAMP STABILIZER, 1000 WATT SIZE ONLY.
12. UL LISTED – SUITABLE FOR OUTDOOR WET LOCATION.
13. "HOUSE SIDE OR REAR SPILL" LIGHT SHALL BE LIMITED TO 20%,
WHEN INDICATED.
14. PHOTOCCELL WHEN INDICATED.

MAX. E.P.A. 3.0 SQ. FT.

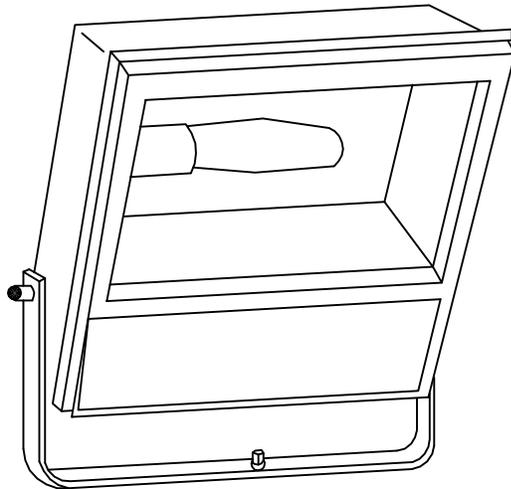
ROADWAY AND AREA LIGHT

SKETCH DATE

JUNE 2002

STYLE

XL-1



NOTE:
NEMA BEAM SPREAD
CONFIGURATION SHALL BE
AS INDICATED AND SHALL
BE IN ACCORDANCE WITH
I.E.S. DEFINITIONS.

LUMINAIRE REQUIREMENTS

1. HOUSING – DIE CAST ALUMINUM OR FORMED AND SEAM WELDED ALUMINUM, WITH BAKED ENAMEL OR POLYESTER POWDER FINISH.
2. REFLECTOR – ANODIZED ALUMINUM.
3. DOOR – HINGED ALUMINUM, WITH GASKET AND CAPTIVE SCREWS OR CAM LATCH FASTENERS.
4. INTEGRAL MULTI-TAP BALLAST.
5. STAINLESS STEEL OR NONCORROSIVE HARDWARE.
6. PORCELAIN SOCKET WITH VIBRATION-PROOF LAMP GRIP SHELL.
7. SLIPFITTER FOR 2-3/8" TENON OR TRUNNION MOUNTING AS INDICATED.
8. PHOTOCELL WHEN INDICATED.
9. LAMP – 70 TO 1000 WATT – TYPE AND WATTAGE AS INDICATED.
10. PROVIDE 3/C #16 WEATHERPROOF CORD, MIN. 24" LONG (TRUNNION MT. ONLY).
11. LAMP STABILIZER, 1000 WATT SIZE ONLY.
12. LENS – TEMPERED, IMPACT RESISTANT, CLEAR GLASS.
13. UL LISTED – SUITABLE FOR OUTDOOR WET LOCATIONS.
14. HOUSING COLOR SHALL BE DARK BRONZE UNLESS INDICATED OTHERWISE.

MIN. E.P.A. 2.1 SQ. FT. – MAX. E.P.A. 5.5 SQ. FT.

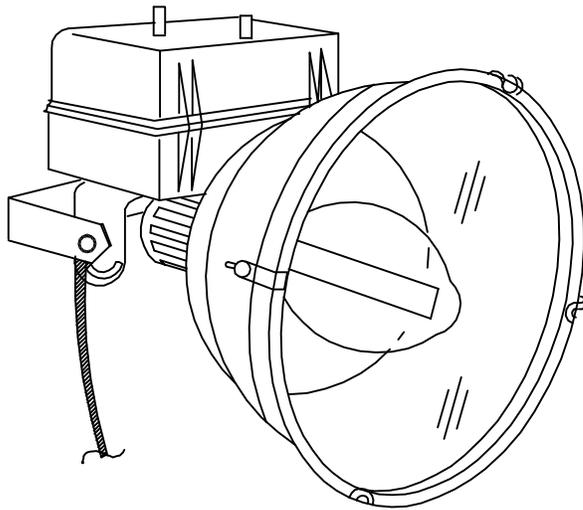
FLOODLIGHT

SKETCH DATE

JUNE 2002

STYLE

XL-2



LUMINAIRE REQUIREMENTS

1. CAST ALUMINUM BALLAST HOUSING.
2. ALUMINUM OUTER SHROUD.
3. SPUN ANODIZED ALUMINUM REFLECTOR.
4. TEMPERED, HEAT-RESISTANT CLEAR GLASS LENS.
5. HINGED STAINLESS STEEL DOOR WITH GASKET AND LATCHES.
6. 400 WATT, 1000 WATT AND 1500 WATT HIGH PRESSURE SODIUM OR METAL HALIDE, AS INDICATED.
7. INTEGRAL BALLAST, TYPE AND VOLTAGE AS INDICATED.
8. LAMP STABILIZER, 1000 WATT AND 1500 WATT SIZE ONLY.
9. GALVANIZED STEEL TRUNNION.
10. ALL HARDWARE, STAINLESS STEEL OR NONCORROSIVE.
11. PROVIDE 3/C #14 "SO" CORD, LENGTH AS REQUIRED.
12. PORCELAIN SOCKET, WITH VIBRATION-PROOF LAMP GRIP SHELL.
13. AIMING DEVICE.
14. UL LISTED - SUITABLE FOR OUTDOOR WET LOCATIONS.

MAX. E.P.A. 2.8 SQ. FT.

BEAM EFFICIENCY	NEMA BEAM TYPE & EFFICIENCY				
	TYPE 1 NEMA 2	TYPE 2 NEMA 3	TYPE 3 NEMA 4	TYPE 4 NEMA 5	TYPE 5 NEMA 6
400 WATT HIGH PRESSURE SODIUM	30%	34%	50%	67%	70%
1000 WATT HIGH PRESSURE SODIUM	—	—	40%	50%	55%
400 WATT METAL HALIDE	35%	40%	60%	65%	65%
1000 WATT METAL HALIDE	34%	40%	60%	65%	65%
1500 WATT METAL HALIDE	34%	40%	60%	65%	65%

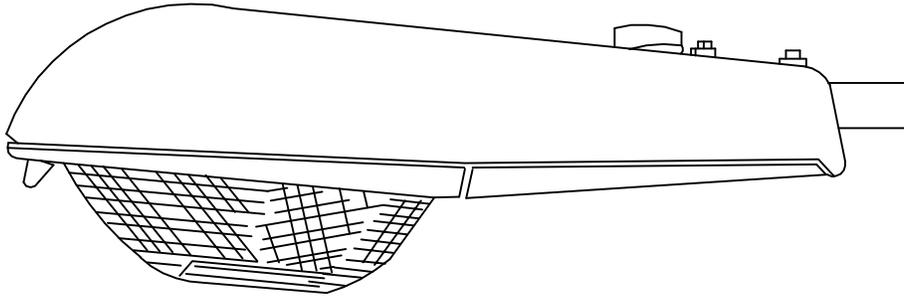
FLOODLIGHT AND SPORTS LIGHT

SKETCH DATE

JUNE 2002

STYLE

XL-3



LUMINAIRE REQUIREMENTS

1. REFRACTOR – PRISMATIC GLASS, EXCEPT AS INDICATED.
2. REFLECTOR – ANODIZED ALUMINUM.
3. HOUSING – DIE CAST ALUMINUM, WITH BAKED ENAMEL GREY FINISH.
4. HINGED ALUMINUM DOOR WITH GASKET AND LATCH.
5. INTEGRAL BALLAST – TYPE AND VOLTAGE AS SPECIFIED.
6. ALL HARDWARE, STAINLESS STEEL, OR NONCORROSIVE.
7. ADJUSTABLE PORCELAIN SOCKET.
8. 1-1/4" TO 2", SLIPFITTER – 2 OR 4 BOLT.
9. PHOTOCELL AND RECEPTACLE, UNLESS OTHERWISE INDICATED.
10. LAMP – 70 WATT TO 400 WATT HIGH PRESSURE SODIUM – WATTAGE AS INDICATED.
11. LEVEL INDICATOR.
12. UL LISTED – SUITABLE FOR OUTDOOR WET LOCATIONS.

NOTE: I.E.S. TYPE DISTRIBUTION AS INDICATED.

MAX. E.P.A. 1.3 SQ. FT.

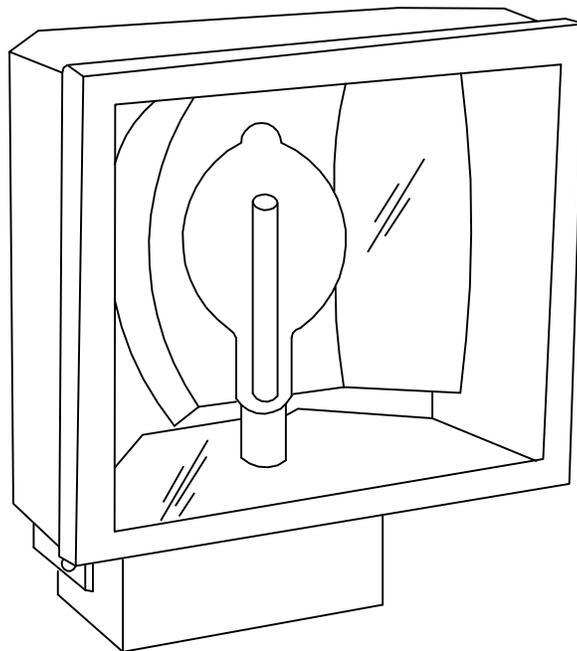
ROADWAY AND AREA LIGHT

SKETCH DATE

JUNE 2002

STYLE

XL-4



LUMINAIRE REQUIREMENTS

1. HOUSING – FORMED AND SEAM WELDED ALUMINUM, WITH POLYESTER POWDER FINISH. (DARK BRONZE)
2. REFLECTOR – POLISHED, SEGMENTED ANODIZED ALUMINUM.
3. LENS – TEMPERED, THERMAL AND SHOCK-RESISTANT GLASS.
4. DOOR FASTENERS – STAINLESS STEEL.
5. INTEGRAL BALLAST – 1000 WATT HIGH PRESSURE SODIUM OR 1000 WATT METAL HALIDE AS INDICATED.
6. HINGED, GASKETED DOOR, CLOSED CELL, SILICON FOAM.
7. PORCELAIN SOCKET, WITH VIBRATION-PROOF LAMP GRIP SHELL.
8. PROVIDE 3/C #16 WEATHERPROOF CORD, MIN. 24” LONG.
9. GALVANIZED YOKE.
10. UL LISTED – SUITABLE FOR OUTDOOR WET LOCATIONS.

NOTE: LAMP, BALLAST, AND BEAM PATTERN SHALL BE AS INDICATED.

MAX. E.P.A. 5.5 SQ. FT.

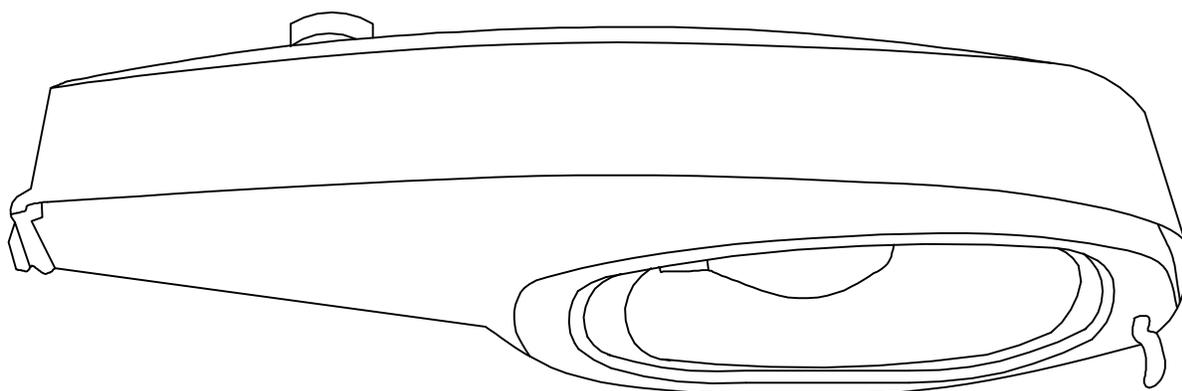
SPORTS AND AREA LIGHT

SKETCH DATE

JUNE 2002

STYLE

XL-5



LUMINAIRE REQUIREMENTS

1. HOUSING – CAST ALUMINUM, WITH BAKED ENAMEL OR POLYESTER POWDER FINISH.
2. LENS – FLAT TEMPERED GLASS.
3. REFLECTOR – ANODIZED ALUMINUM.
4. HINGED ALUMINUM DOOR WITH GASKET AND SPRING LATCH.
5. INTEGRAL BALLAST – TYPE AND VOLTAGE AS INDICATED.
6. ALL HARDWARE – STAINLESS STEEL OR NONCORROSIVE.
7. ADJUSTABLE PORCELAIN SOCKET.
8. 1-1/4" TO 2" SLIPFITTER – 2 OR 4 BOLT TYPE.
9. PHOTOCELL AND RECEPTACLE, UNLESS OTHERWISE INDICATED.
10. LAMP – 70 TO 400 WATT HIGH PRESSURE SODIUM – WATTAGE AS INDICATED.
11. LEVEL INDICATOR.
12. UL LISTED – SUITABLE FOR OUTDOOR WET LOCATIONS.
13. HOUSING SHALL BE MUNSELL GREY, UNLESS OTHERWISE SPECIFIED.

NOTE: I.E.S. TYPE DISTRIBUTION AS INDICATED.

MAX. E.P.A. 1.3 SQ. FT.

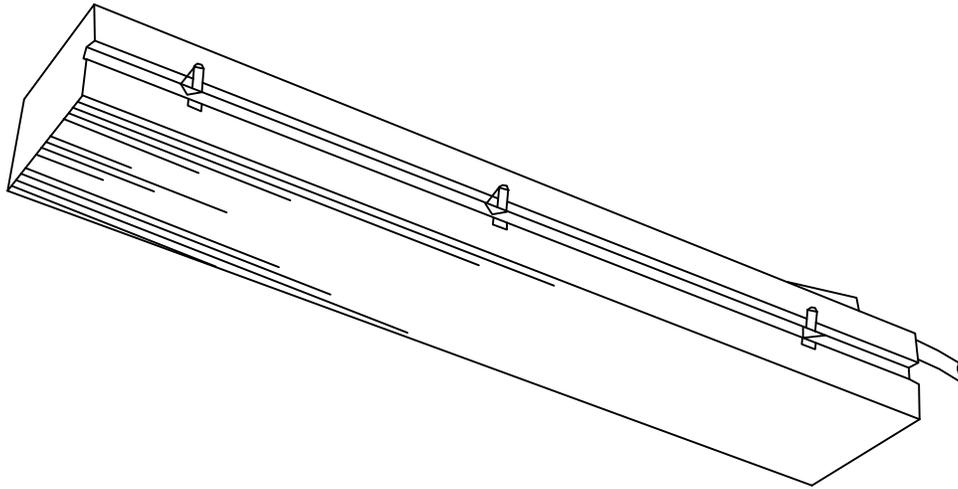
AREA AND STREET LIGHTING CUTOFF LUMINAIRE

SKETCH DATE

JUNE 2002

STYLE

XL-6



LUMINAIRE REQUIREMENTS

1. HOUSING, ALUMINUM OR STEEL – EXTRUDED OR FORMED WITH SEALED AND WELDED SEAMS.
2. REFRACTOR HINGED. ONE PIECE ULTRA VIOLET RESISTANT ACRYLIC – MINIMUM 0.125” THICK.
3. REFLECTOR – ANODIZED ALUMINUM.
4. LATCHES – STAINLESS STEEL, QUICK RELEASE TYPE.
5. GASKETING – CONTINUOUS, HEAT RESISTANT.
6. BALLAST – HIGH POWER FACTOR.
7. FINISH – BAKED ACRYLIC ENAMEL, POLYESTER POWDER FINISH.
8. HARDWARE – CORROSION RESISTANT.
9. LAMP – 35, 55, 90, 135, OR 180 WATT AS INDICATED.
10. SLIPFITTER – FOR 1 1/4” TO 2” ARM.
11. PHOTOCCELL – WHEN INDICATED.
12. UL LISTED – SUITABLE FOR OUTDOOR WET LOCATIONS.
13. LAMP STABILIZER.
14. HOUSING SHALL BE MUNSELL GREY UNLESS OTHERWISE INDICATED.

MAX. E.P.A. 2.4 SQ. FT.

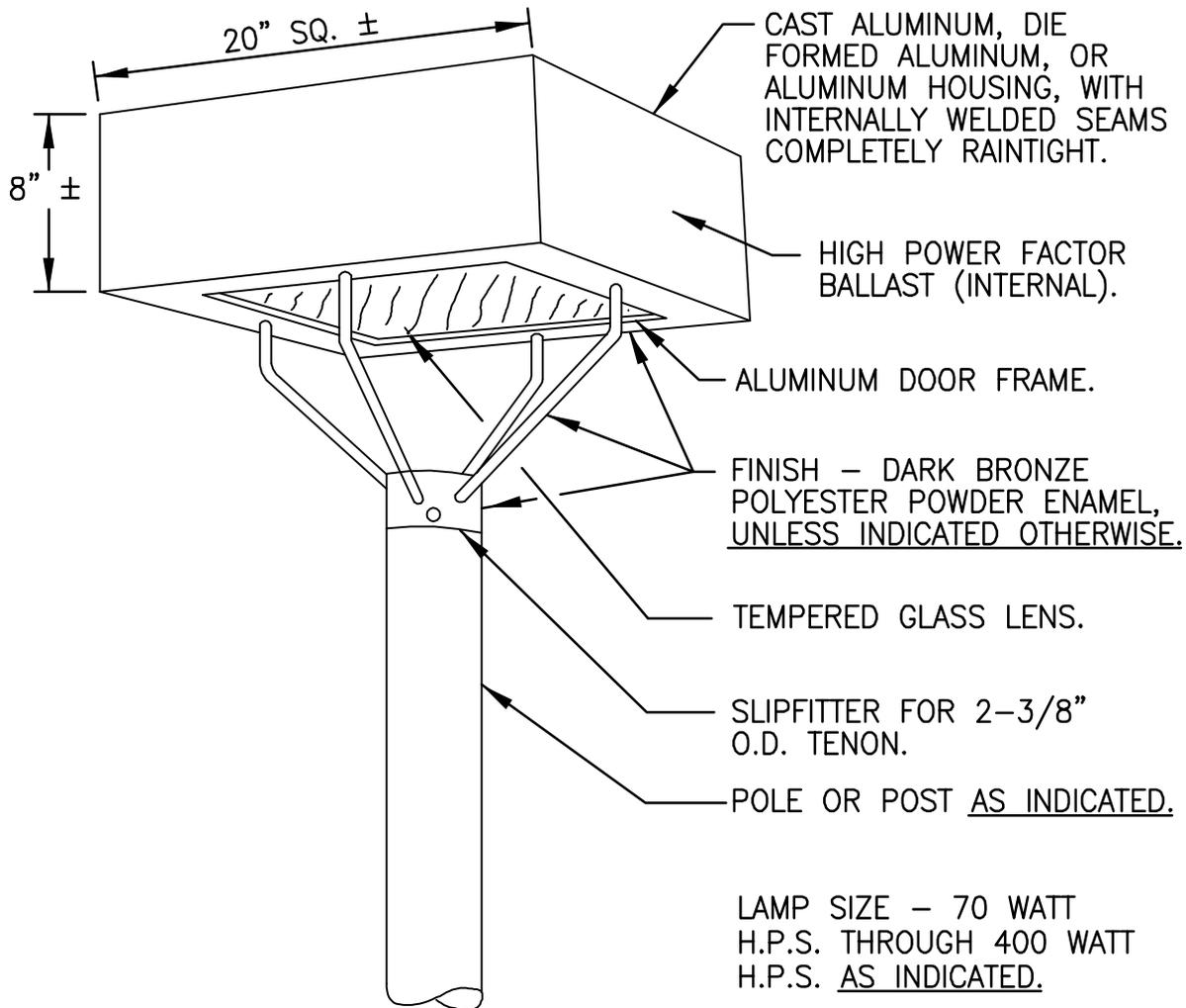
LOW PRESSURE SODIUM AREA LIGHTING FIXTURE

SKETCH DATE

JUNE 2002

STYLE

XL-7



LAMP SIZE - 70 WATT H.P.S. THROUGH 400 WATT H.P.S. AS INDICATED.

UL LISTED - SUITABLE FOR OUTDOOR WET LOCATIONS.

MAX. E.P.A. 2.2 SQ. FT.

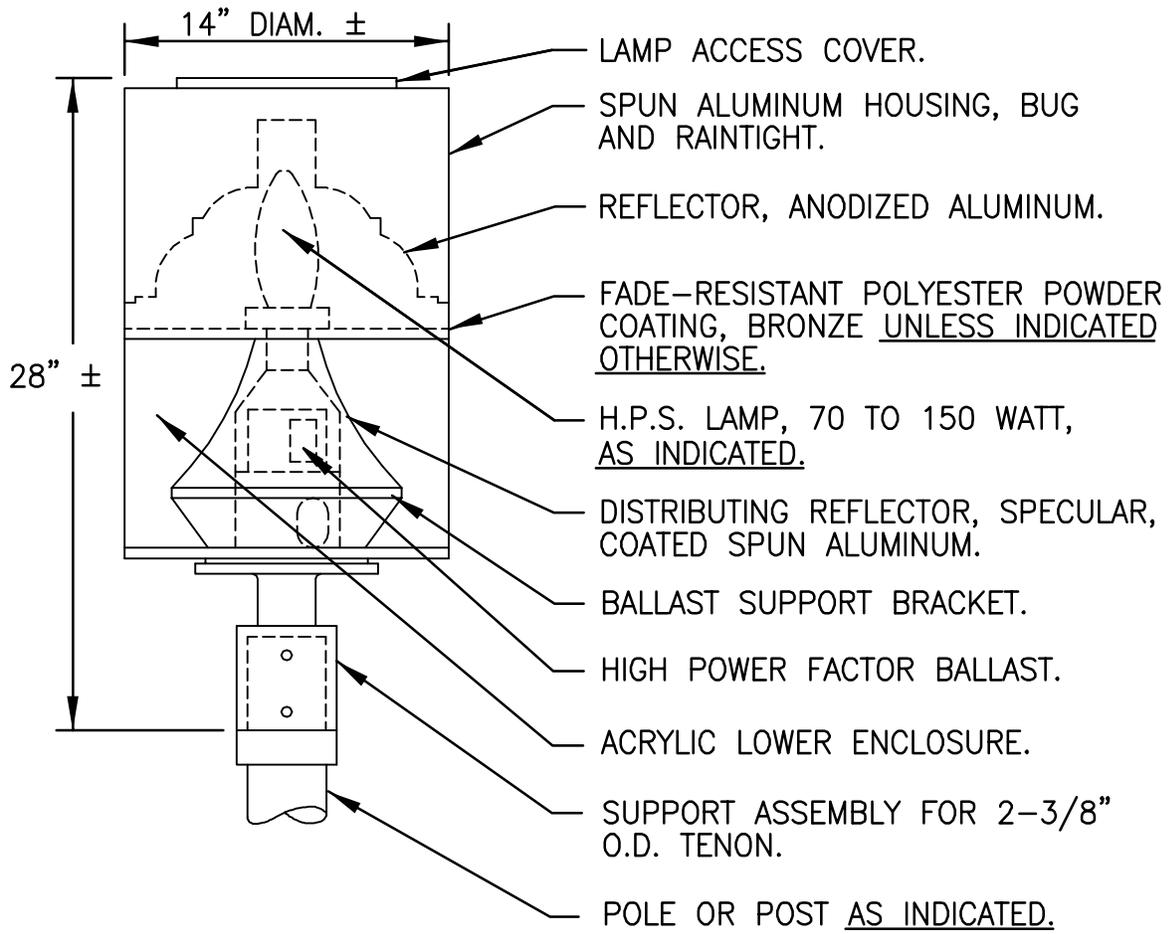
AREA LUMINAIRE

SKETCH DATE

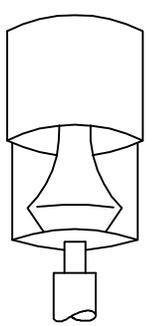
JUNE 2002

STYLE

XL-8



UL LISTED - SUITABLE FOR OUTDOOR WET LOCATIONS.

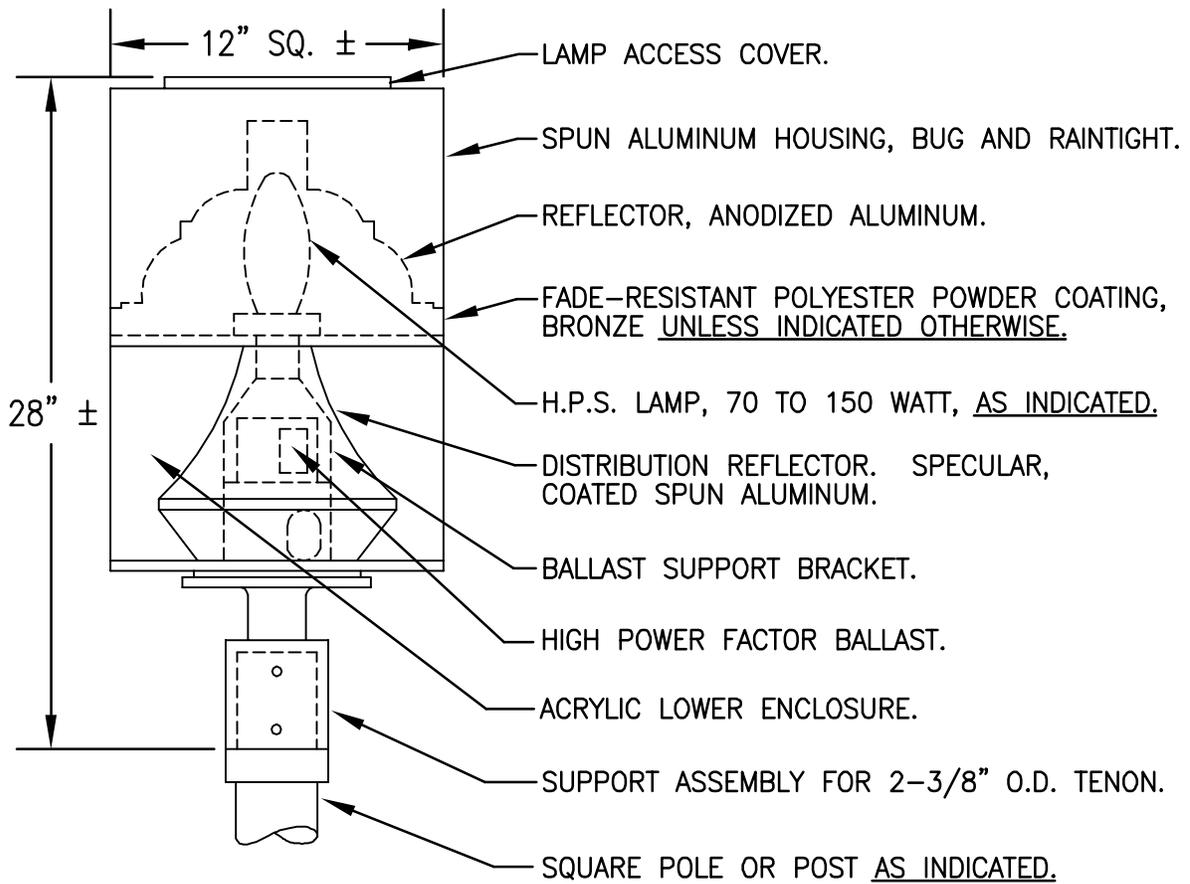


PICTORIAL

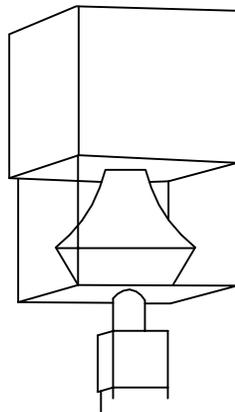
MAX. E.P.A. 1.0 SQ. FT.

ROUND ARCHITECTURAL POST TOP AREA LIGHT

SKETCH DATE	JUNE 2002	STYLE	XL-9
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UL LISTED - SUITABLE FOR OUTDOOR WET LOCATIONS.



PICTORIAL

MAX. E.P.A. 2.1 SQ. FT.

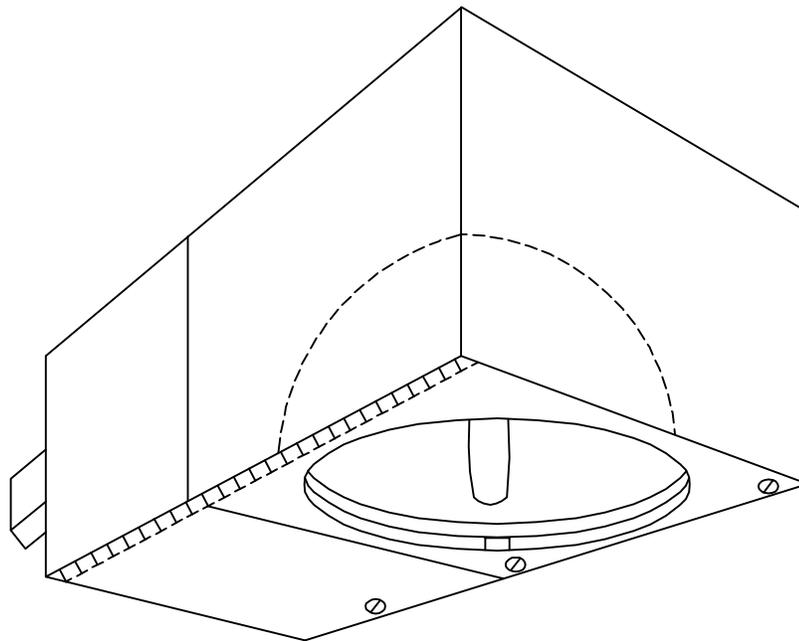
SQUARE ARCHITECTURAL POST TOP AREA LIGHT

SKETCH DATE

JUNE 2002

STYLE

XL-10



NOTE:
 TYPE A -
 SQUARE
 TYPE B -
 ROUND

LUMINAIRE REQUIREMENTS

1. HOUSING - CAST, OR FORMED AND SEALED ALUMINUM.
2. FINISH - BAKED ACRYLIC OR VINYL CLAD WITH SEALER OR POLYESTER POWDER.
 COLOR - DARK BRONZE OR AS INDICATED.
3. REFLECTOR - ALZAK ALUMINUM.
4. LENS - FLAT, HEAT AND SHOCK-RESISTANT GLASS.
5. HINGED AND GASKETED ALUMINUM DOOR FRAME.
6. INTEGRAL BALLAST WITH 70 TO 1000 WATT HIGH PRESSURE SODIUM AS INDICATED.
7. UL LISTED, SUITABLE FOR OUTDOOR WET LOCATIONS.
8. ADJUSTABLE PORCELAIN SOCKET.
9. STAINLESS STEEL 1/4-TURN OR QUICK-RELEASE LATCHES.
10. SLIPFITTER FOR 2" O.D. PIPE, OR EXTRUDED MAST ARM, AS INDICATED.
11. MOUNTING ARM AND BOLTS.
12. PHOTOCCELL AND RECEPTACLE, UNLESS OTHERWISE INDICATED.

MAX. E.P.A. - 6.1 SQ. FT.

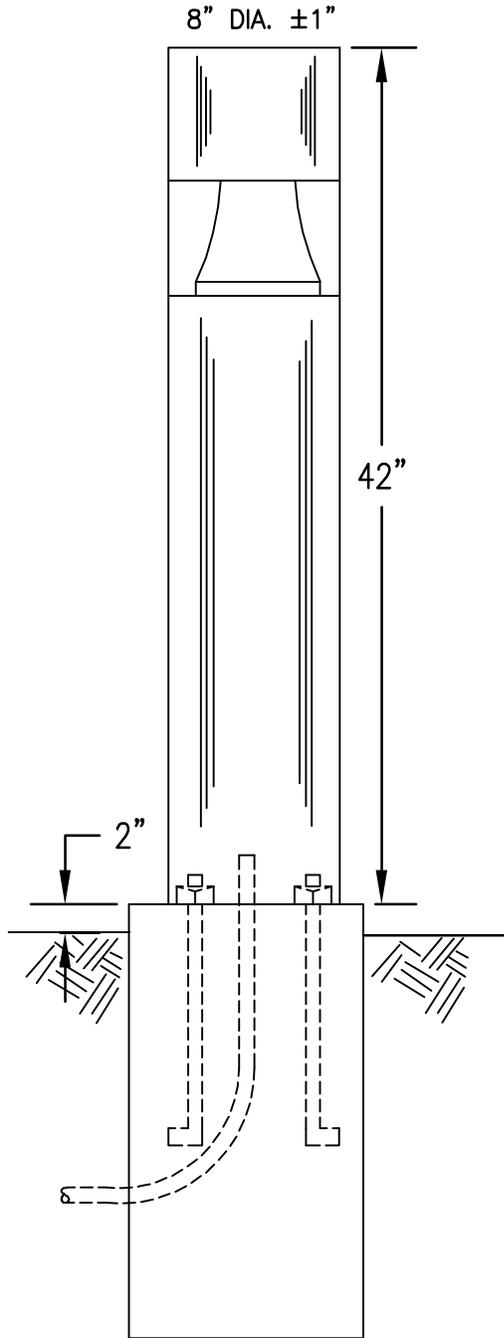
AREA LIGHT - (VERTICAL LAMP)

SKETCH DATE

JUNE 2002

STYLE

XL-11



LUMINAIRE REQUIREMENTS

1. COLUMN, EXTRUDED ALUMINUM (MINIMUM 0.148" THICK WALL) WITH MEDIUM BRONZE ANODIZED FINISH.
2. COMPLETELY GASKETED WEATHERPROOF TOP LAMP ACCESSORY PLATE.
3. EXTRUDED CLEAR ACRYLIC MINIMUM 0.188" THICK WALL ENCLOSURE.
4. SEGMENTED SPECULAR CLEAR ALZAK REFLECTOR.
5. CLEAR ALZAK REFLECTING CONE.
6. HIGH POWER FACTOR BALLAST.
7. UL LISTED FOR WET LOCATIONS.
8. 70 WATT HIGH PRESSURE SODIUM LAMP.
9. ANCHOR BOLT KIT PER MANUFACTURER, BUT NOT LESS THAN FOUR 1/2"Ø X 9" LONG ANCHOR BOLTS WITH 1-1/2" "L" BEND SET IN 12"Ø X 24" DEEP CONCRETE BASE. TOP OF BASE 2" ABOVE GRADE, AND SHALL HAVE 1/2" CHAMFER ALL AROUND.
10. PROVIDE INTERNAL GREEN GROUNDING SCREW.
11. ALL EXPOSED SCREWS SHALL BE STAINLESS STEEL.

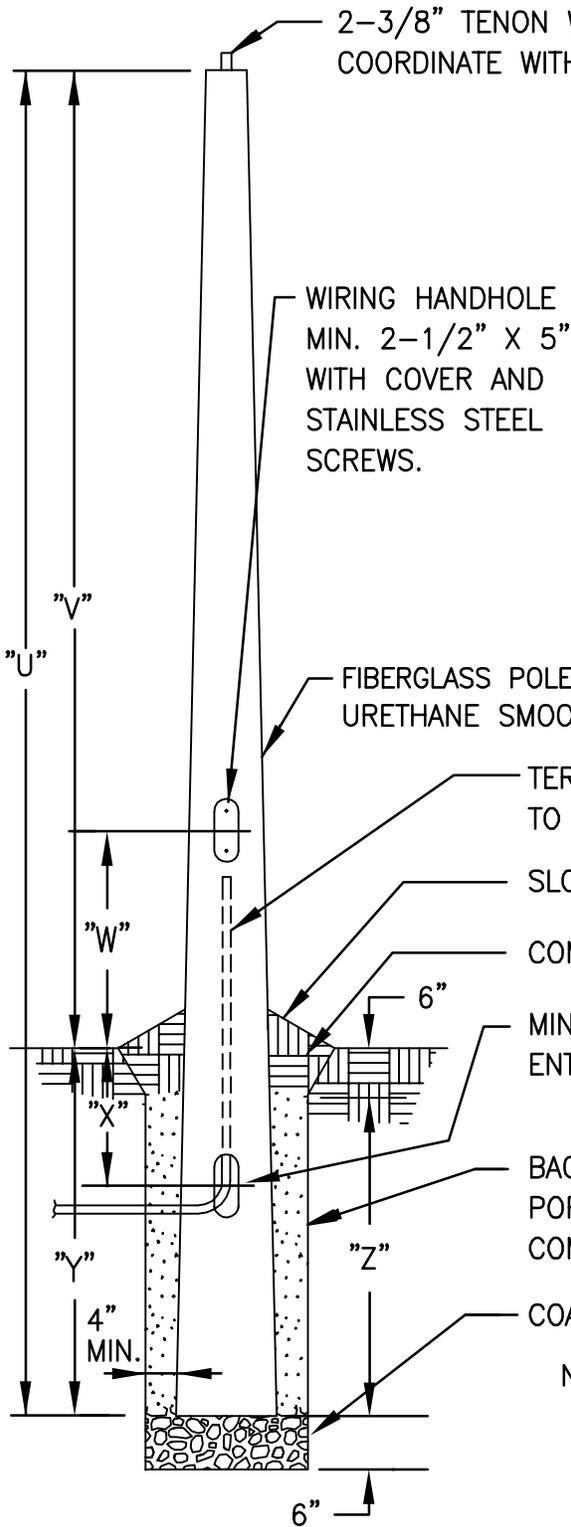
H.I.D. BOLLARD LUMINAIRE

SKETCH DATE

JUNE 2002

STYLE

XL-12



2-3/8" TENON WITH PROVISION FOR WIRING,
COORDINATE WITH POLE AND LUMINAIRE.

POLE TYPE	DIMENSIONS (FT.)					
	"U"	"V"	"W"	"X"	"Y"	"Z"
XL-20 A	14	10	2	2	4	3.5
XL-20 B	20	16	2	2	4	3.5
XL-20 C	25	20	2	2	5	4.5
XL-20 D	30	25	2	2	5	4.5
XL-20 E	35	30	2	2	5	4.5
XL-20 F	40	33	2	2	7	6.5
XL-20 G	45	38	2	2	7	6.5

WIRING HANDHOLE
MIN. 2-1/2" X 5"
WITH COVER AND
STAINLESS STEEL
SCREWS.

FIBERGLASS POLE WITH ULTRAVIOLET INHIBITOR AND A
URETHANE SMOOTH FINISH. COLOR AS SPECIFIED.

TERMINATE CONDUITS INTERNALLY, ADJACENT
TO HANDHOLE.

SLOPE TO SURROUNDING FINISHED GRADE.

COMPACTED CLAY BACKFILL.

6"
MIN. 3" X 5" (CLEAR) CONDUIT OR CABLE
ENTRANCE - 2 EACH AT 180°.

BACKFILL FINE CRUSHED STONE AND
PORTLAND CEMENT (8-1) DRY MIX
COMPACTED IN SIX INCH LAYERS.

4" MIN.
COARSE GRAVEL SETTING BED.

- 6"
- NOTES 1. PROVIDE ANTI-ROTATIONAL
DEVICE ON EACH POLE.
2. COORDINATE TOTAL EPA. WITH
POLE SPECIFICATIONS.

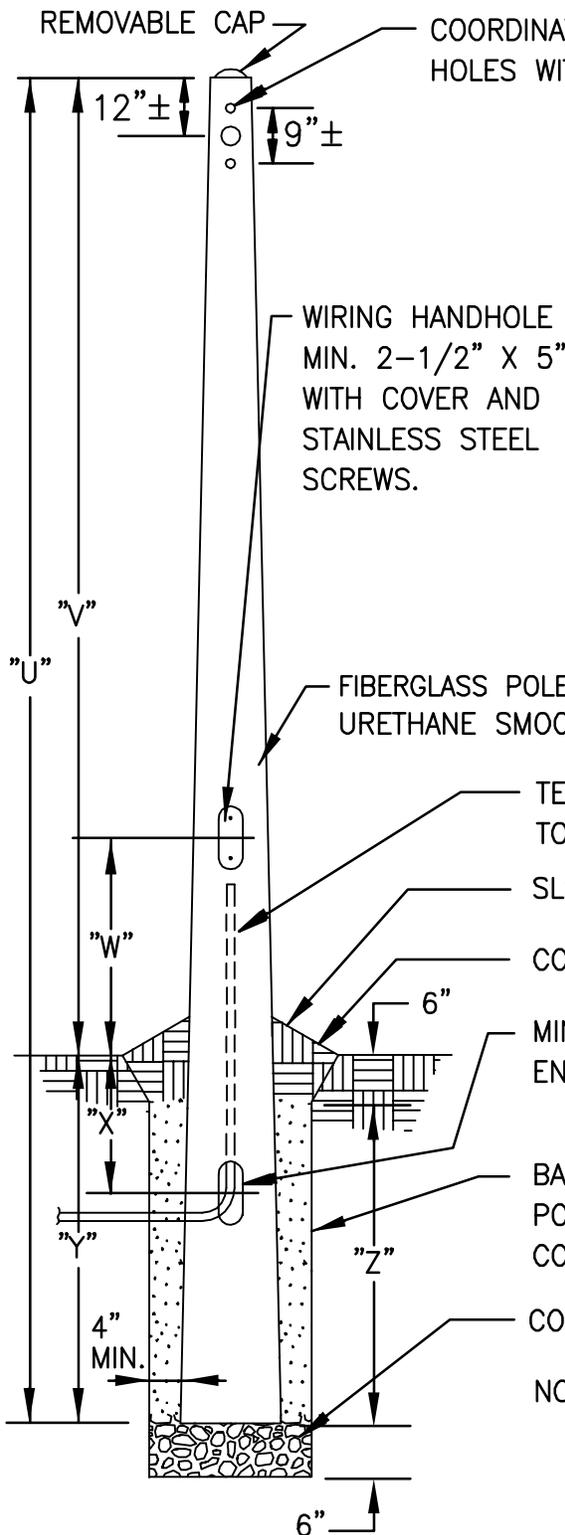
ROUND FIBERGLASS POLE, DIRECT SET TENON MOUNT

SKETCH DATE

JUNE 2002

STYLE

XL-20



POLE TYPE	DIMENSIONS (FT.)					
	"U"	"V"	"W"	"X"	"Y"	"Z"
XL-21 A	14	10	2	2	4	3.5
XL-21 B	20	16	2	2	4	3.5
XL-21 C	25	20	2	2	5	4.5
XL-21 D	30	25	2	2	5	4.5
XL-21 E	35	30	2	2	5	4.5
XL-21 F	40	33	2	2	7	6.5
XL-21 G	45	38	2	2	7	6.5

FIBERGLASS POLE WITH ULTRAVIOLET INHIBITOR AND A URETHANE SMOOTH FINISH. COLOR AS SPECIFIED.

TERMINATE CONDUITS INTERNALLY, ADJACENT TO HANDHOLE.

SLOPE TO SURROUNDING FINISHED GRADE.

COMPACTED CLAY BACKFILL.

6"

MIN. 3" X 5" CONDUIT OR CABLE ENTRANCE - 2 EACH AT 180°.

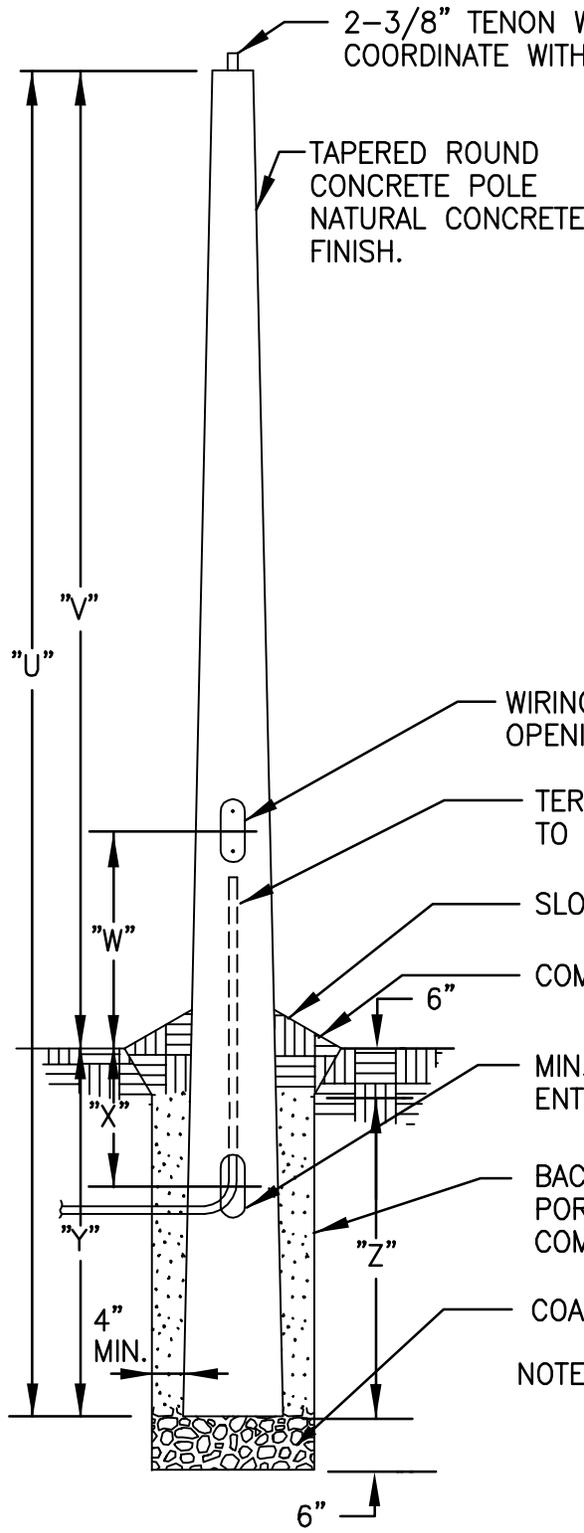
BACKFILL FINE CRUSHED STONE AND PORTLAND CEMENT (8-1) DRY MIX COMPACTED IN SIX INCH LAYERS.

"Z"

COARSE GRAVEL SETTING BED.

- NOTES 1. PROVIDE ANTI-ROTATIONAL DEVICE ON EACH POLE.
2. COORDINATE TOTAL EPA. WITH POLE SPECIFICATIONS.

ROUND FIBERGLASS POLE, DIRECT SET MAST ARM MOUNT



POLE TYPE	DIMENSIONS (FT.)					
	"U"	"V"	"W"	"X"	"Y"	"Z"
XL-22 A	14	10	2	2	4	3.5
XL-22 B	20	16	2	2	4	3.5
XL-22 C	25	20	2	2	5	4.5
XL-22 D	30	25	2	2	5	4.5
XL-22 E	35	30	2	2	5	4.5
XL-22 F	40	33	2	2	7	6.5
XL-22 G	45	38	2	2	7	6.5

- NOTES 1. PROVIDE ANTI-ROTATIONAL DEVICE ON EACH POLE.
 2. COORDINATE TOTAL EPA. WITH POLE SPECIFICATIONS.

ROUND CONCRETE POLE, DIRECT SET TENON MOUNT

SKETCH DATE

JUNE 2002

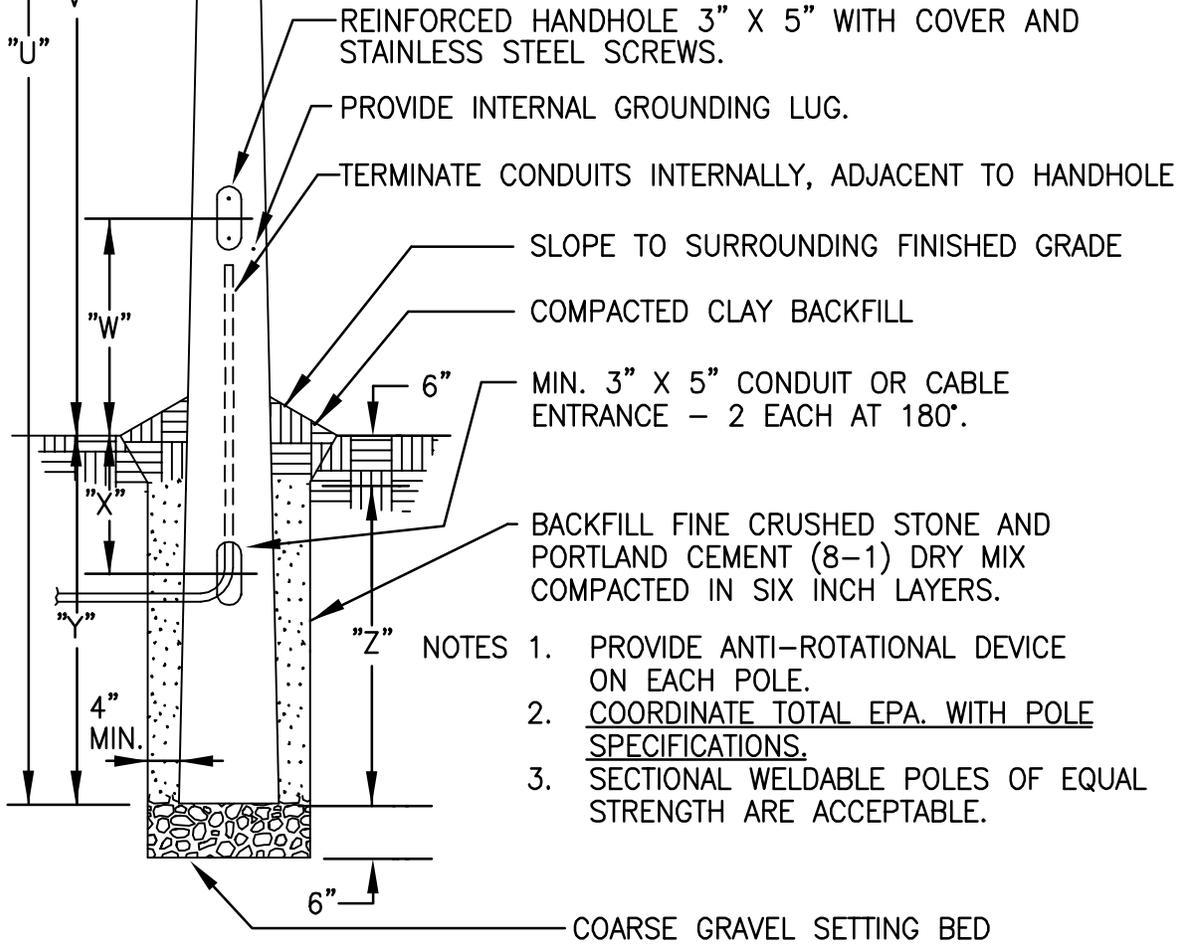
STYLE

XL-22

2-3/8" TENON WITH PROVISION FOR WIRING.

TAPERED STEEL POLE, GALVANIZED STEEL, EXCEPT AS INDICATED.

POLE TYPE	DIMENSIONS (FT.)					
	"U"	"V"	"W"	"X"	"Y"	"Z"
XL-24 A	14	10	2	2	4	3.5
XL-24 B	20	16	2	2	4	3.5
XL-24 C	25	20	2	2	5	4.5
XL-24 D	30	25	2	2	5	4.5
XL-24 E	35	30	2	2	5	4.5
XL-24 F	40	33	2	2	7	6.5
XL-24 G	45	38	2	2	7	6.5



- NOTES
1. PROVIDE ANTI-ROTATIONAL DEVICE ON EACH POLE.
 2. COORDINATE TOTAL EPA. WITH POLE SPECIFICATIONS.
 3. SECTIONAL WELDABLE POLES OF EQUAL STRENGTH ARE ACCEPTABLE.

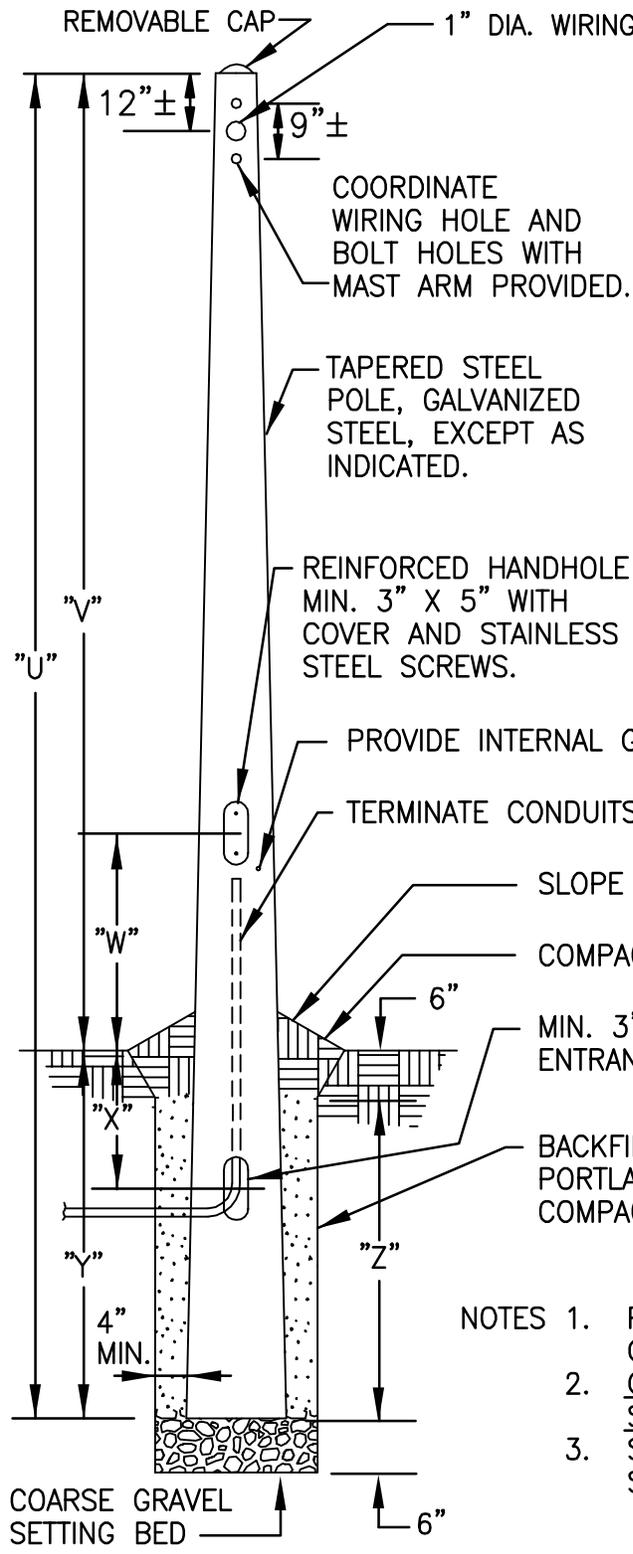
ROUND STEEL POLE, DIRECT SET TENON MOUNT

SKETCH DATE

JUNE 2002

STYLE

XL-24



POLE TYPE	DIMENSIONS (FT.)					
	"U"	"V"	"W"	"X"	"Y"	"Z"
XL-25 A	14	10	2	2	4	3.5
XL-25 B	20	16	2	2	4	3.5
XL-25 C	25	20	2	2	5	4.5
XL-25 D	30	25	2	2	5	4.5
XL-25 E	35	30	2	2	5	4.5
XL-25 F	40	33	2	2	7	6.5
XL-25 G	45	38	2	2	7	6.5

REMOVABLE CAP

1" DIA. WIRING HOLE.

12"±

9"±

COORDINATE WIRING HOLE AND BOLT HOLES WITH MAST ARM PROVIDED.

TAPERED STEEL POLE, GALVANIZED STEEL, EXCEPT AS INDICATED.

REINFORCED HANDHOLE MIN. 3" X 5" WITH COVER AND STAINLESS STEEL SCREWS.

PROVIDE INTERNAL GROUNDING LUG.

TERMINATE CONDUITS INTERNALLY, ADJACENT TO HANDHOLE.

SLOPE TO SURROUNDING FINISHED GRADE.

COMPACTED CLAY BACKFILL.

6"

MIN. 3" X 5" CONDUIT OR CABLE ENTRANCE - 2 EACH AT 180°.

BACKFILL FINE CRUSHED STONE AND PORTLAND CEMENT (8-1) DRY MIX COMPACTED IN SIX INCH LAYERS.

"U"

"V"

"W"

"X"

"Y"

4" MIN.

"Z"

6"

COARSE GRAVEL SETTING BED

- NOTES
1. PROVIDE ANTI-ROTATIONAL DEVICE ON EACH POLE.
 2. COORDINATE TOTAL EPA. WITH POLE SPECIFICATIONS.
 3. SECTIONAL WELDABLE POLES OF EQUAL STRENGTH ARE ACCEPTABLE.

ROUND STEEL POLE, DIRECT SET MAST ARM MOUNT

2 3/8" TENON WITH PROVISION FOR WIRING. COORDINATE WITH POLE AND LUMINAIRE.

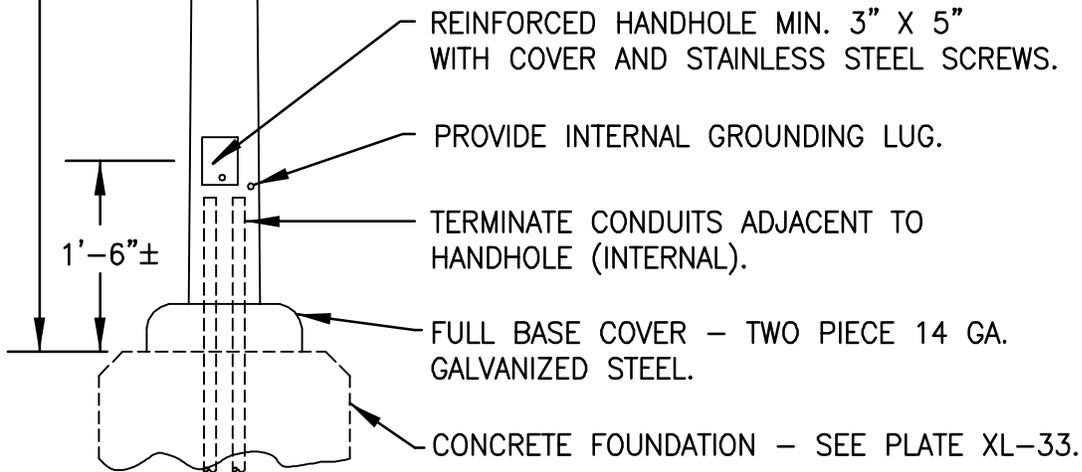
POLE TYPE	DIM "U"
	XL-26 A
XL-26 B	20'
XL-26 C	25'
XL-26 D	30'
XL-26 E	35'
XL-26 F	40'
XL-26 G	45'

TAPERED STEEL POLE, GALVANIZED STEEL, EXCEPT AS INDICATED.

"U"

NOTES:

1. COORDINATE POLE AND LUMINAIRE E.P.A. WITH SPECIFICATIONS.



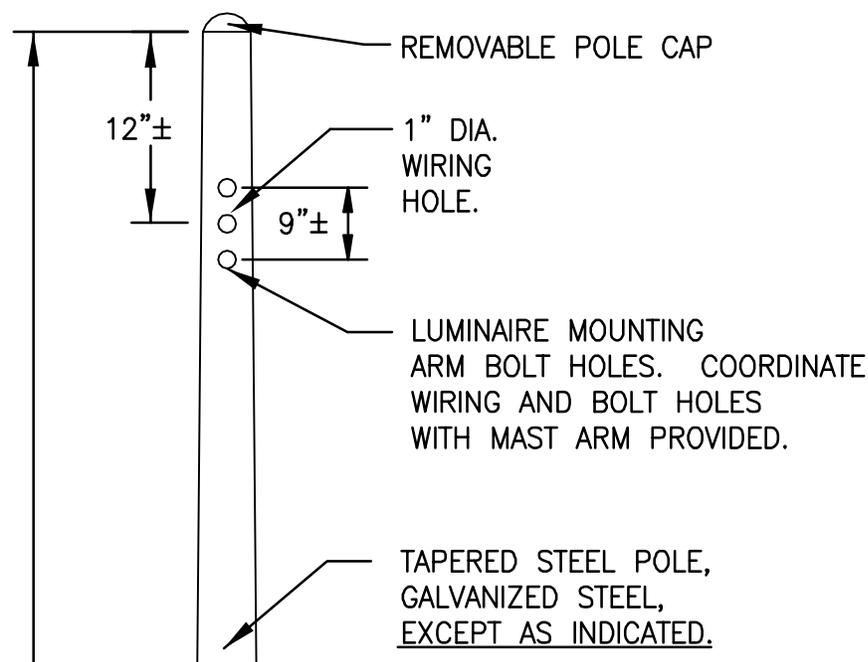
ROUND STEEL POLE, ANCHOR BASE, TENON MOUNT

SKETCH DATE

JUNE 2002

STYLE

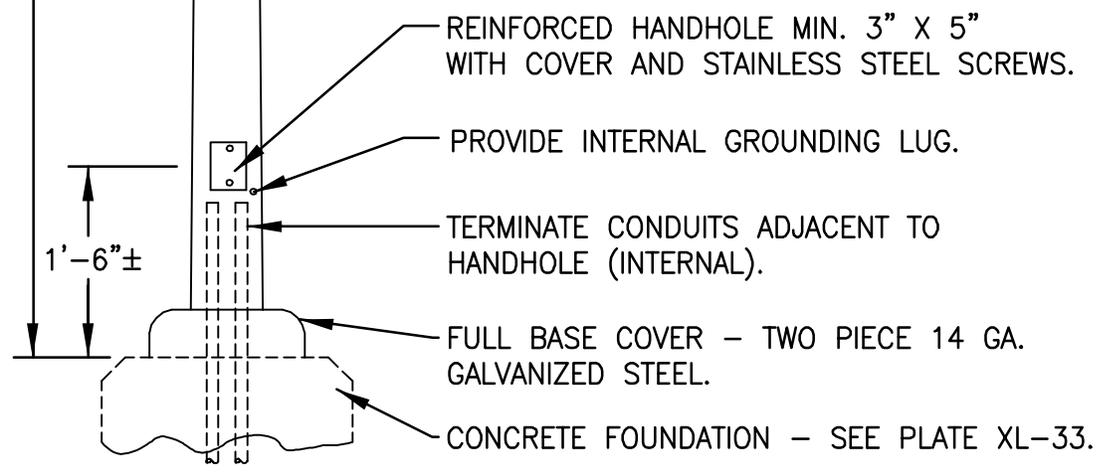
XL-26



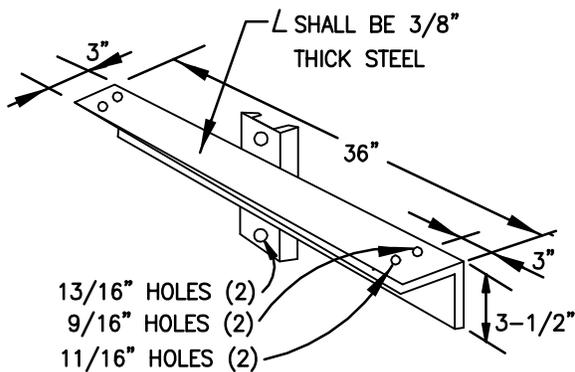
POLE TYPE	DIM "U"
	XL-27 A
XL-27 B	20'
XL-27 C	25'
XL-27 D	30'
XL-27 E	35'
XL-27 F	40'
XL-27 G	45'

NOTES:

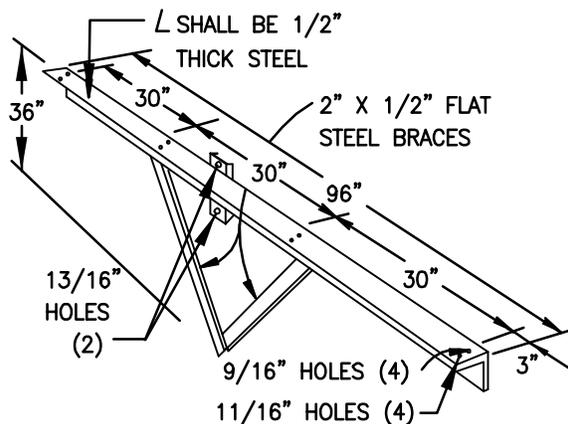
1. COORDINATE POLE AND LUMINAIRE E.P.A. WITH SPECIFICATIONS.



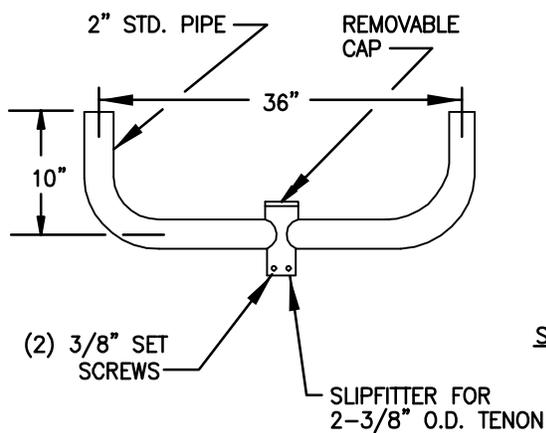
ROUND STEEL POLE, ANCHOR BASE, MAST ARM MOUNT



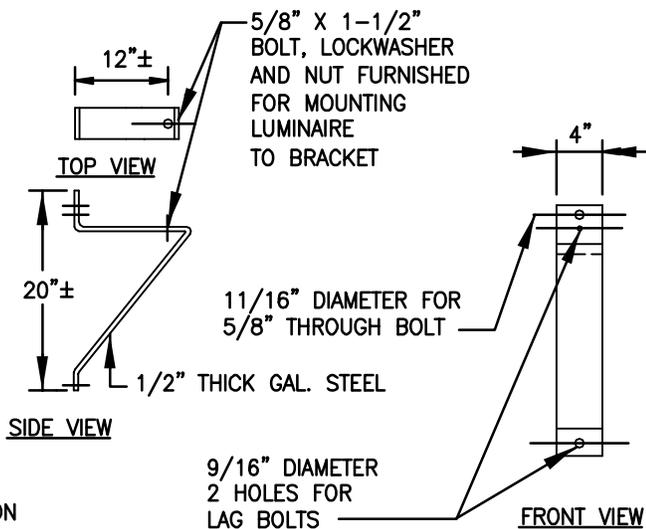
TWO LUMINAIRE MOUNTING
BRACKET - "A"



FOUR LUMINAIRE MOUNTING
BRACKET - "B"



TWO LUMINAIRE PIPE
MOUNTING BRACKET - "C"



STEEL ANGLE SINGLE LUMINAIRE MOUNTING
BRACKET - FOR WALL OR POLE - "D"

- NOTES: 1. ALL MATERIALS SHOWN ON THIS SHEET SHALL BE HOT-DIP GALVANIZED.
2. PROVIDE BOLTS AND OTHER HARDWARE AS REQUIRED.

LUMINAIRE MOUNTING BRACKETS

SKETCH DATE

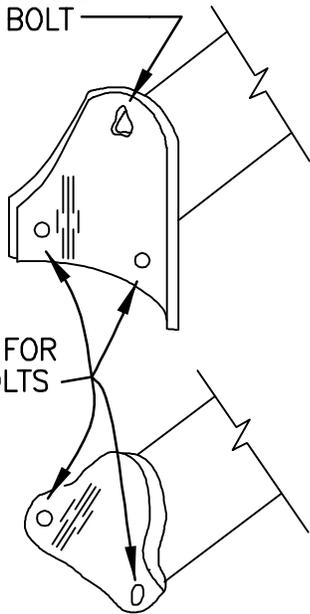
JUNE 2002

STYLE

XL-28

KEYHOLE SLOT FOR
5/8" THRU BOLT

9/16" HOLE FOR
1/2" LAG BOLTS



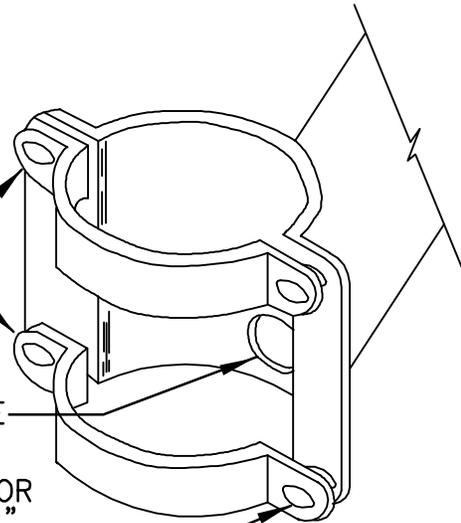
MOUNTING PLATE FOR TRUSS
MEMBER TAPERED ELLIPTICAL ARM

"A"

BACK-UP
CLAMPS

1-1/4" WIRE
ENTRANCE HOLE

9/16" HOLE FOR
1/2" X 1-3/4"
STAINLESS STEEL
BOLTS

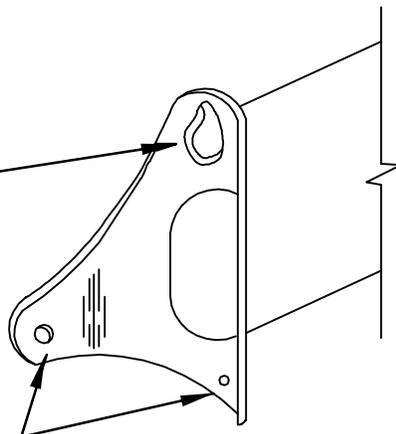


MOUNTING PLATE FOR SINGLE
MEMBER TAPERED ELLIPTICAL ARM

"B"

KEYHOLE SLOT FOR
5/8" THRU BOLT

9/16" HOLE FOR
1/2" LAG BOLTS



MOUNTING PLATE FOR SINGLE
MEMBER TAPERED ELLIPTICAL ARM

"C"

NOTE:

TYPES "A" & "C" ARE
FOR WOOD POLES, TYPE
"B" IS FOR CONCRETE
OR STEEL POLES.

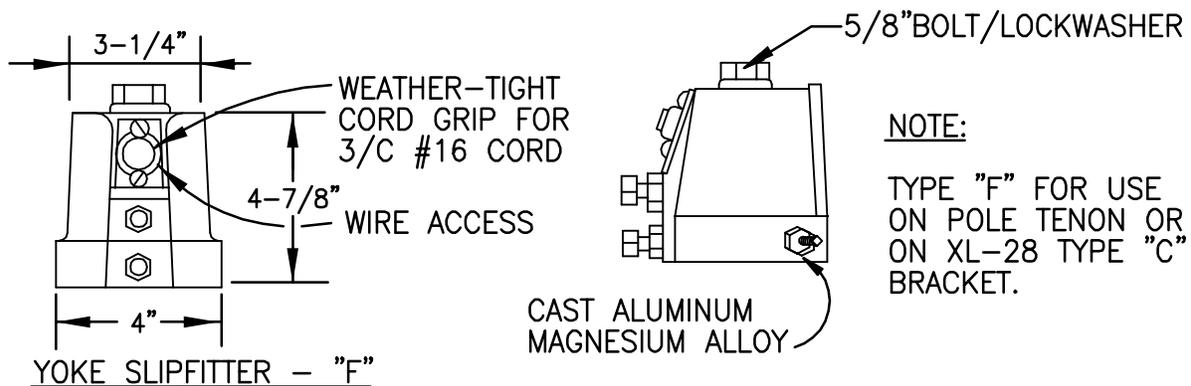
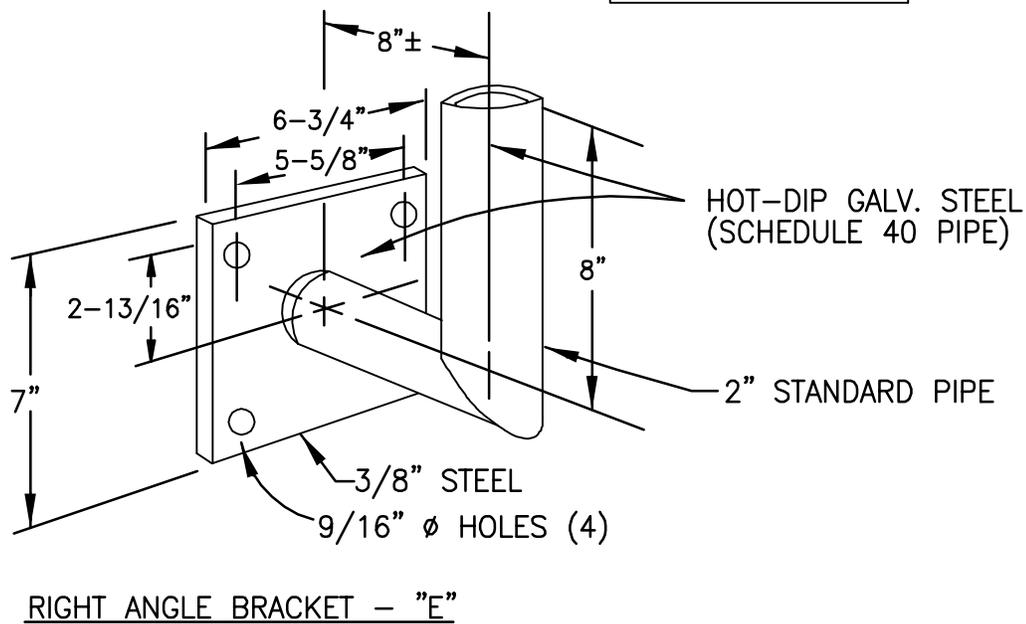
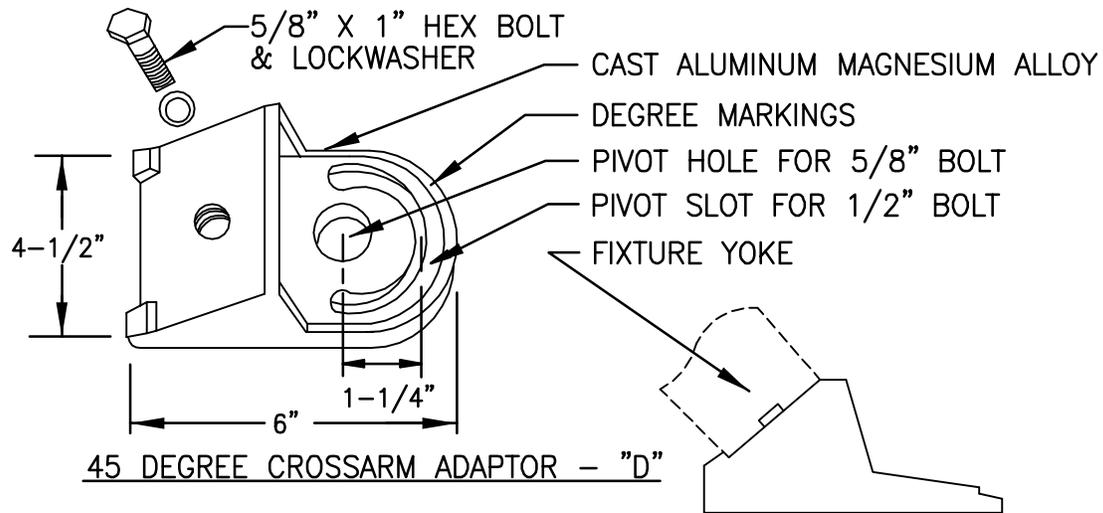
VARIOUS LUMINAIRE MOUNTING ARM TYPES

SKETCH DATE

JUNE 2002

STYLE

XL-29



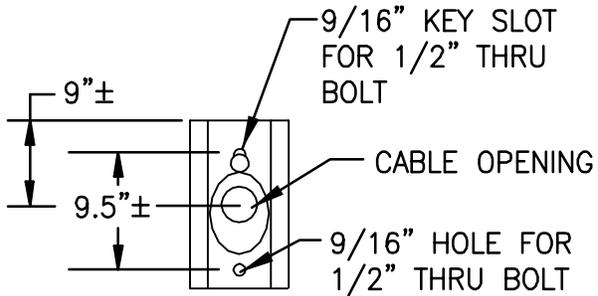
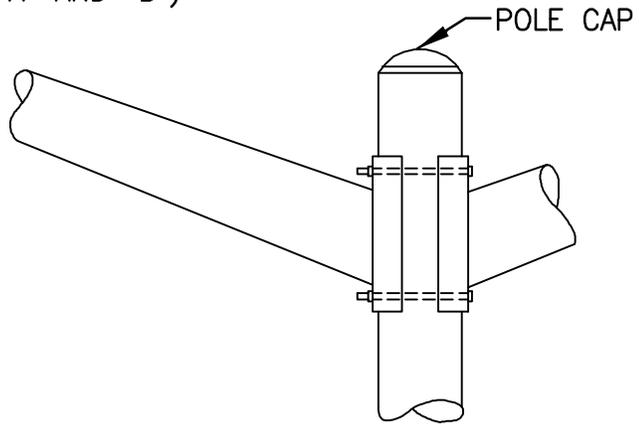
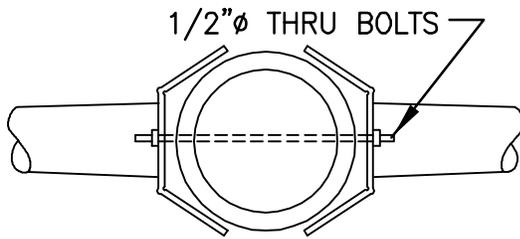
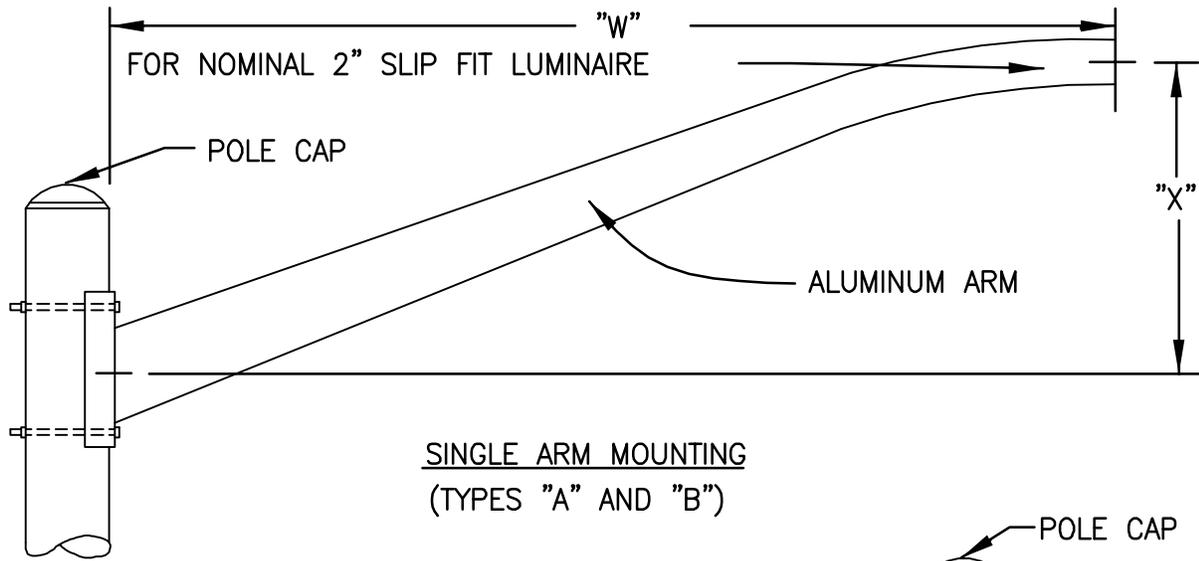
MISCELLANEOUS LUMINAIRE MOUNTING BRACKETS

SKETCH DATE

JUNE 2002

STYLE

XL-30



DOUBLE ARM MOUNTING
(TYPES "C" AND "D")

MOUNTING ARM DIMENSIONS		
TYPE	"W" (NOM)	"X" (NOM)
XL-31, A	48"	15"
XL-31, B	72"	24"
XL-31, C	48"	15"
XL-31, D	72"	24"

NOTE: ALL MOUNTING HARDWARE FOR ARMS SHALL BE HOT-DIP GALVANIZED.

LUMINAIRE MOUNTING ARMS

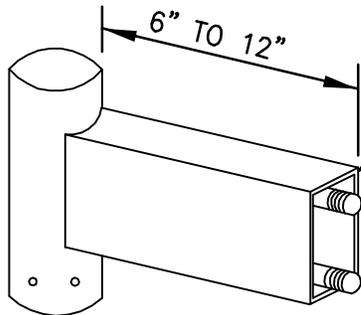
SKETCH DATE

JUNE 2002

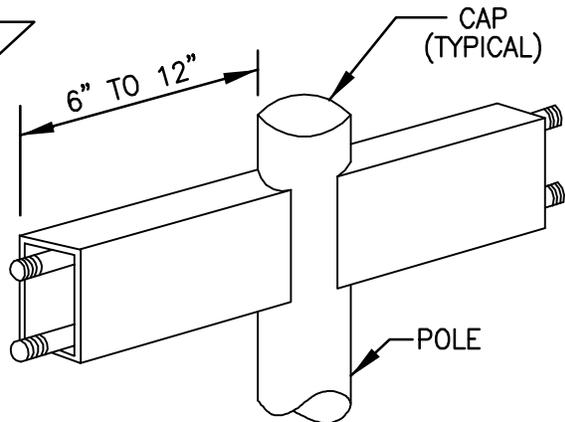
STYLE

XL-31

RECTANGULAR ALUMINUM EXTRUSION
APPROXIMATELY 2 1/2" X 5" (TYPICAL)

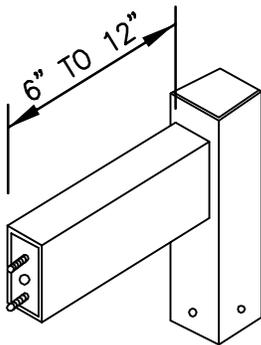


SINGLE ARM MOUNTING "A"
(TENON MOUNT SHOWN)



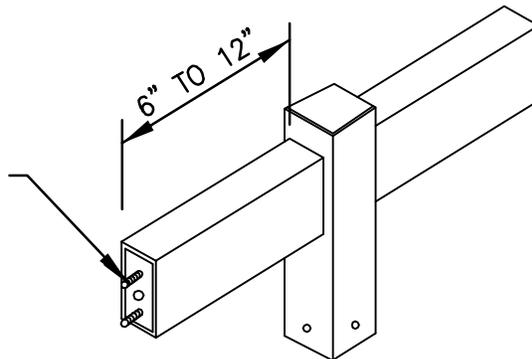
DOUBLE ARM MOUNTING "B"
(MAST ARM MOUNT SHOWN)

ROUND POLE MOUNTING



SINGLE ARM MOUNTING "C"
(TENON MOUNT SHOWN)

1/2"φ THREADED
RODS (TYPICAL)



DOUBLE ARM MOUNTING "D"
(TENON MOUNT SHOWN)

SQUARE MOUNTING ARMS

- NOTES: 1. ALL FASTENERS SHALL BE CONCEALED.
2. ALL ARMS ARE AVAILABLE IN TENON OR
MAST ARM MOUNT, SPECIFY TYPE DESIRED.

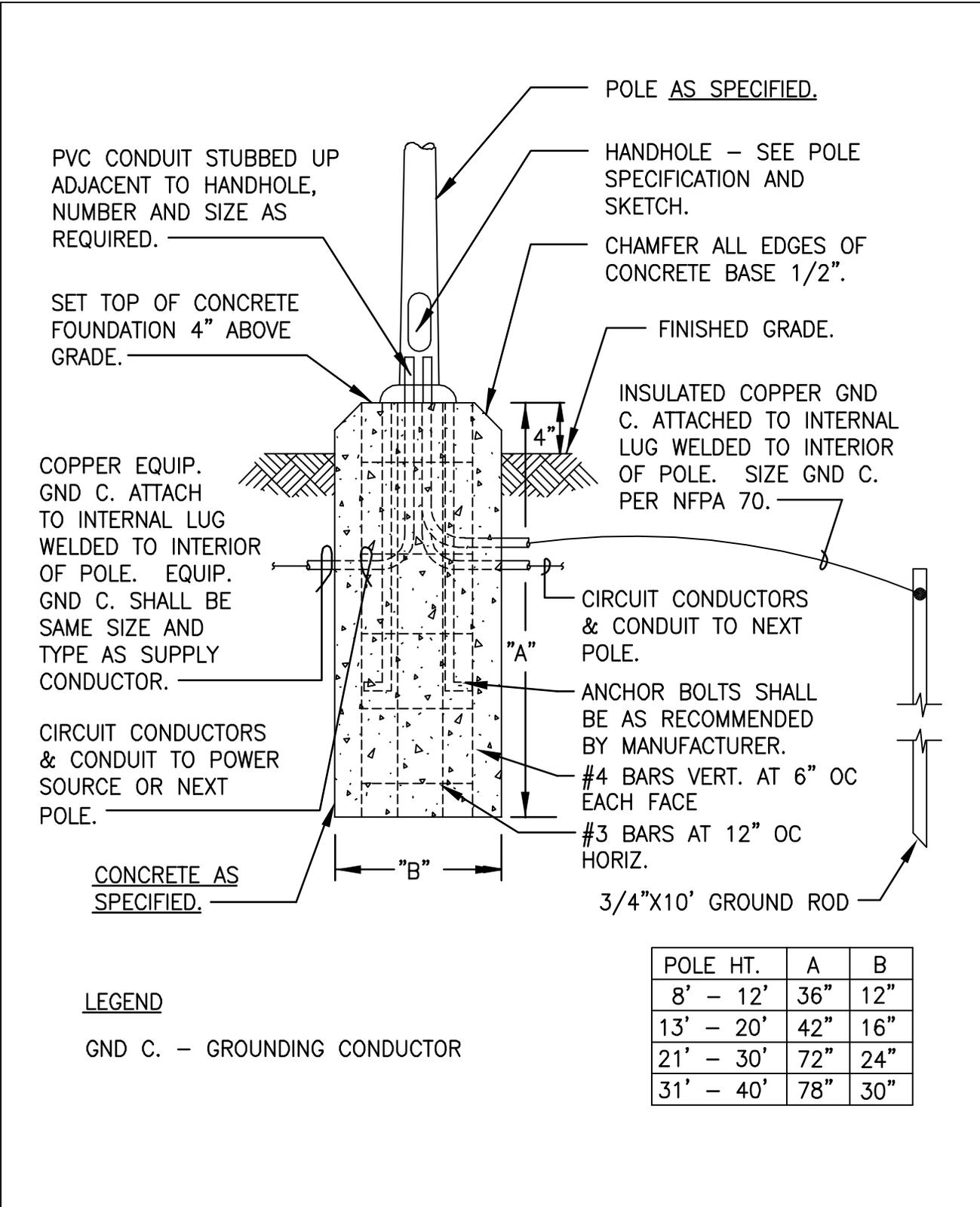
LUMINAIRE MOUNTING ARMS

SKETCH DATE

JUNE 2002

STYLE

XL-32

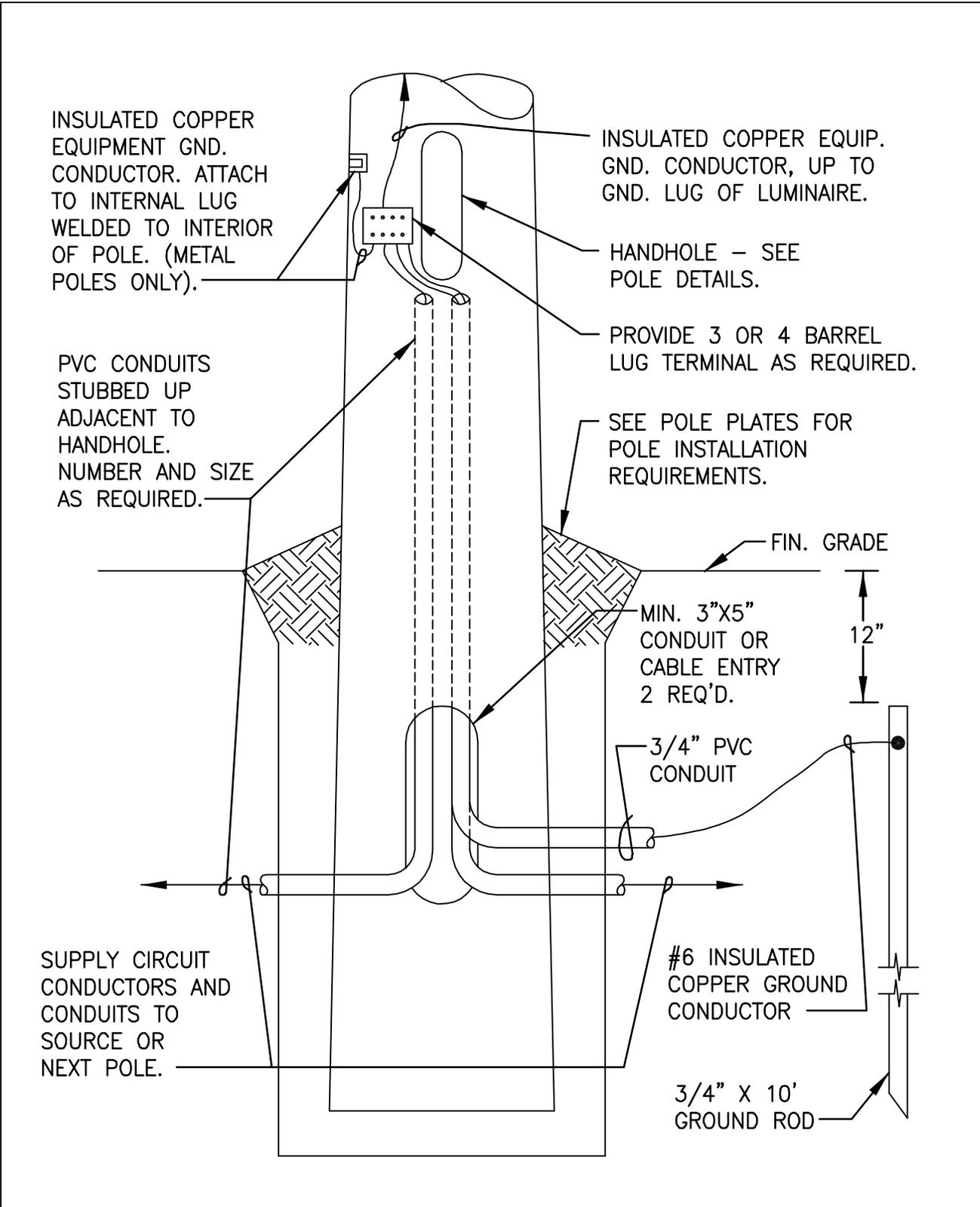


LEGEND

GND C. – GROUNDING CONDUCTOR

POLE HT.	A	B
8' – 12'	36"	12"
13' – 20'	42"	16"
21' – 30'	72"	24"
31' – 40'	78"	30"

BOLT-DOWN POLE FOUNDATION



GROUNDING INSTALLATION DETAILS FOR DIRECT SET POLES